



Aidite

AiZir Flash Speed Sintering Zirconia



Ultrafast sintering | High flexural strength | Wider sintering windows

Aidite

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■ Everyone with a healthy and beautiful smile

Product advantage »

Ai Flash is a fast-firing zirconia material that can be sintered in 30 minutes while maintaining high aesthetics and strength.

Its unique powder and production process can realize the same performance of fast-firing and slow-firing, and the translucency can reach 48% in both cases.

High flexural strength meets the full range of end indications.

Flexural strength 1250MPa

AiZir Flash as a high-speed sintering zirconia material with flexural strength of 1250MPa

Multiple sintering options

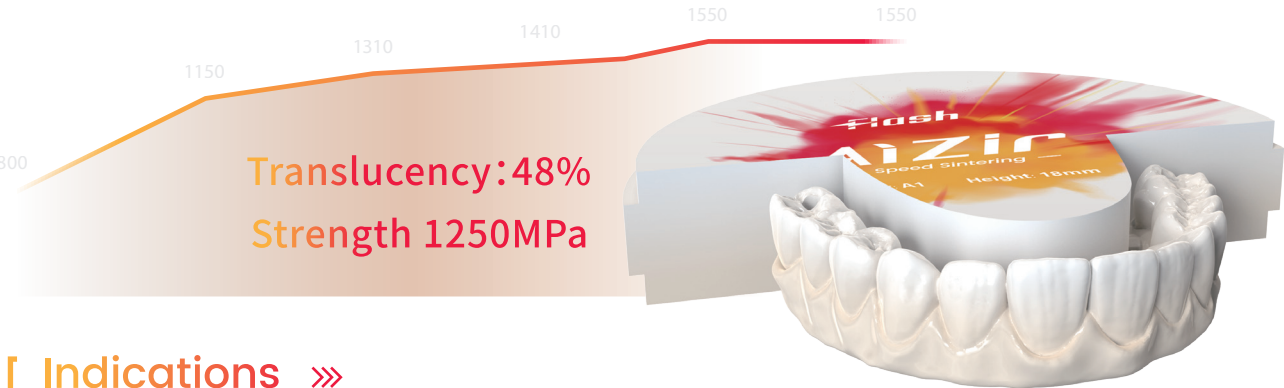
Normal sintering, fast sintering and high-speed sintering can be all achieved, even with other sintering furnaces on the market.

30 min sintering for single crowns

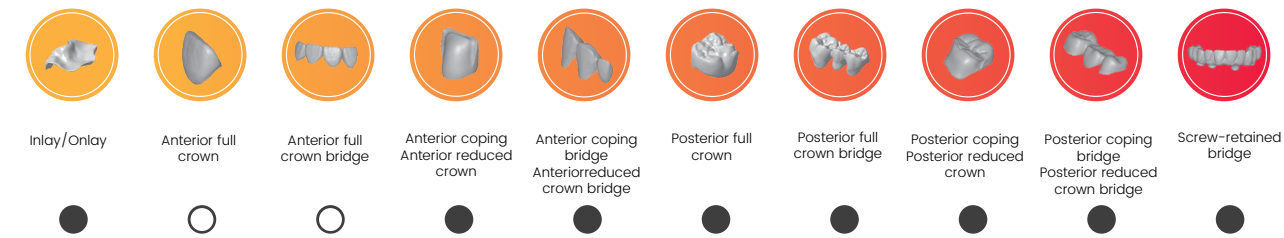
It takes only 30 min of sintering for zirconia single crowns with no more than 3mm thickness.

Stable sintering property

The same aesthetic effect are presented at high temperature and with a wide temperature range.



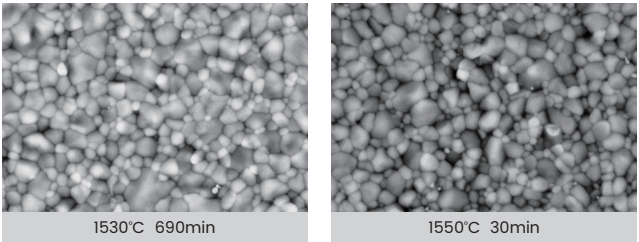
Indications »



Note:
1.The above crown and bridge restorations all include implant restorations.
2.Anterior full crown and Anterior full crown bridge are suitable but not recommended.

Multiple sintering options »

| Sintering | Conventional Sintering | Rapid Sintering |
|----------------------------|------------------------|-----------------|
| Sintering time (min) | 690 | 30 |
| Sintering temperature (°C) | 1530 | 1550 |
| Light transmittance (%) | 48 | 48 |
| Flexural strength (MPa) | 1270 | 1256 |



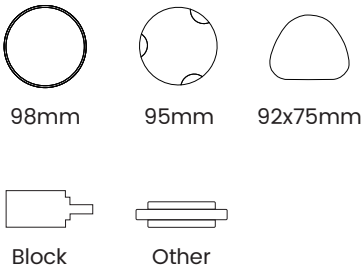
The comparison chart of the effect of fast and slow burning teeth

Shade and dimension »



Parameters and application systems »

| Color | Vita 16/OM1/OM2/OM3 |
|---|---------------------|
| Light transmittance (%) | 48 |
| Final firing density (g/cm³) | 6.07 |
| Flexural strength (MPa) | 1250 |
| Fracture toughness (MPam ^{0.5}) | 6.5 |
| Vickers hardness (HV10) | 1310 |



Digital work flow »

Ai Flash materials represent Aidite's years of experience in digital processing, and we have validated the workflow of materials and equipment throughout the entire process, from the initial intraoral scan to the final restoration. The result is less labor involved, more efficient processing, better shipments, and Aidite's prompt, quality, and efficient service system.



Case »

